

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: ERIC J. BERGMAN *ET AL.*  
APPLICATION NO.: NOT YET ASSIGNED  
FILED: NOVEMBER 10, 2003  
FOR: **SINGLE WAFER CLEANING WITH OZONE**

EXAMINER:  
ART UNIT:  
CONF. NO:

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

1. Timing of Submission

This information disclosure is being filed concurrently with the above-referenced patent application. The references listed on the enclosed Form PTO-1449 (modified) may be material to the examination of this application; the Examiner is requested to make them of record in the application.

2. Observations

The cited references were made of record in one or more related or similar applications. Applicant observes that Matsuoka/Chlorine Engineers EP 548 596 has often been applied against claims in both U.S. and foreign equivalent applications. Other references applied against claims include:

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Certificate of Mailing

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as "Express Mail Post Office to Addressee" in an envelope addressed to the Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Label No.: EV 254990082US Name of Person Mailing Paper: Debbie Gilbert

Date of Deposit: Nov. 25, 2003 Signature of Person Mailing Paper: Debbie Gilbert

<b><u>Serial No. 09/811,925 - Examiner: El Arini</u></b>	
Ohmi	5,487,398
Fukazawa	5,810,940
Mathews	5,464,480
Schellenberger et al.	5,714,203
Lampert et al.	5,181,985
Otsuko	JP H03-208900
Wada	JP 62-117330
Kajiti	JP 8-8222

<b><u>Serial No. 09/621,028 - Examiner: El Arini</u></b>	
Bergman	5,232,511
Li	5,749,975

<b><u>Serial No. 09/536,251 - Examiner: Stinson</u></b>	
Texas Instruments	EP 781 177
Fujitsu Ltd.	JP H04-125927
Nakajima	5,571,367
Hitachi	JP 4-302144

<b><u>Serial No. 10/420,659 - Examiner: Stinson</u></b>	
Koizumi	5,503,708

<b><u>Serial No. 09/837,722 - Examiner: Stinson</u></b>	
	EP 781 177
Lorimer	5,063,609
Nakajima et al.	5,571,367

<b><u>Serial No. 09/677,925 - Examiner: Stinson</u></b>	
Lorimer	5,063,609
Koizumi	5,503,708
Nakajima et al.	5,571,367
Hitachi Zosen	JP 05-013398

<b><u>Serial No. 09/929,437 - Examiner: El Arini</u></b>	
Kamikawa et al.	6,299,969 B2
Koizumi	5,503,708
Miyazaki et al.	5,950,643

<b><u>Serial No. PCT/US99/08516</u></b>	
Yoneda	5,896,875
Mashimo	5,415,191

Other references listed on the attached PTO-1449 may also have been applied against one or more claims in parent or related applications.

3. Cited Information

Copies of foreign documents are enclosed.

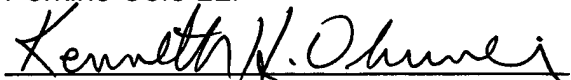
4. Effect of Information Disclosure Statement (37 C.F.R. § 1.97(h))

This Information Disclosure Statement is not to be construed as a representation that: (i) a search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the cited information is, or is considered to be, material to patentability. In addition, applicant does not admit that any enclosed item of information constitutes prior art to the subject invention and specifically reserves the right to demonstrate that any such reference is not prior art.

5. Fee Payment

No fees are believed due because this Information Disclosure Statement is being filed concurrently with the filing of the above-referenced patent application.

Respectfully submitted,  
Perkins Coie LLP

  
Kenneth H. Ohriner, Reg. No. 31,646

Date: Nov. 7, 2003

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> Form PTO-1449 (Modified) (Use several sheets if necessary)				<b>COMPLETE IF KNOWN</b>	
				Application Number	Not Yet Assigned
				Confirmation Number	
				Filing Date	November 25, 2003
				First Named Inventor	Eric J. BERGMAN
				Group Art Unit	
Examiner Name					
Sheet	1	of	3	Attorney Docket No.	54008.8100.US01 (P01-0015US2)

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
	AA	4,186,032		Ham	01/29/80	
	AB	4,749,440		Blackwood et al.	06/07/88	
	AC	4,817,652		Liu	04/04/89	
	AD	4,917,123		McConnell et al.	04/17/90	
	AE	4,974,530		Lyon	12/04/90	
	AF	5,032,218		Dobson	07/16/91	
	AG	5,055,138		Slinn	10/08/91	
	AH	5,063,609		Lorimer	11/05/91	
	AI	5,071,485		Matthews et al.	12/10/91	
	AJ	5,105,556		Kurokawa et al.	04/21/92	
	AK	5,120,370		Mori et al.	06/09/92	
	AL	5,160,378		Tuunanen	11/03/92	
	AM	5,181,985		Lampert et al.	01/26/93	
	AN	5,232,511		Bergman	08/03/93	
	AO	5,232,870		Ito et al.	08/03/93	
	AP	5,234,540		Grant et al.	08/10/93	
	AQ	5,235,995		Bergman et al.	08/17/93	
	AR	5,244,000		Stanford et al.	09/14/93	
	AS	5,246,526		Yamaguchi et al.	09/21/93	
	AT	5,248,380		Tanaka	09/28/93	
	AU	5,308,745		Schwartzkopf	05/03/94	
	AV	5,326,406		Kaneko et al.	07/05/94	
	AW	5,366,757		Lin	11/22/94	
	AX	5,372,651		Kodama	12/13/94	
	AY	5,378,317		Kashiwase et al.	01/03/95	
	AZ	5,415,191		Mashimo et al.	05/16/95	
	BA	5,447,640		Omi	09/05/95	
	BB	5,464,480		Matthews	11/07/95	
	BC	5,503,708		Koizumi et al.	04/02/96	
	BD	5,520,744		Fujikawa et al.	05/28/96	
	BE	5,571,367		Nakajima et al.	11/05/96	
	BF	5,626,769		Sawamoto	05/06/97	
	BG	5,632,847		Ohno et al.	05/27/97	
	BH	5,647,386		Kaiser	07/15/97	
	BI	5,658,615		Hasebe et al.	08/19/97	
	BJ	5,705,089		Sugihara et al.	01/06/98	
	BK	5,706,842		Caimi et al.	01/13/98	
	BL	5,714,203		Schellenberger et al.	02/03/98	

EXAMINER	DATE CONSIDERED
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	

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		NUMBER	Kind Code (if known)			
	BM	5,730,806		Caimi et al.	03/24/98	
	BN	5,749,975		Li et al.	05/12/98	
	BO	5,762,755		McNeilly et al.	06/09/98	
	BP	5,776,296		Matthews	07/07/98	
	BQ	5,803,982		Kosofsky et al.	09/08/98	
	BR	5,810,940		Fukazawa	09/22/98	
	BS	5,832,177		Shingawa	11/03/98	
	BT	5,845,662		Sumnitsch	12/08/98	
	BU	5,858,107		Chao et al.	01/12/99	
	BV	5,896,875		Yoneda	04/27/99	
	BW	5,911,837		Matthews	06/15/99	
	BX	5,916,366		Ueyama et al.	06/29/99	
	BY	5,944,907		Ohmi	08/31/99	
	BZ	5,950,643		Miyazaki et al.	09/14/99	
	CA	5,964,952		Kunze-Concewitz	10/12/99	
	CB	5,964,954		Matsukawa et al.	10/12/99	
	CC	5,971,368		Nelson et al.	10/26/99	
	CD	6,030,932		Leon et al.	02/29/00	
	CE	6,146,469		Toshima	11/14/00	
	CF	6,249,933		Berfield	06/26/01	
	CG	6,267,125		Bergman et al.	07/31/01	
	CH	6,273,108		Bergman et al.	08/14/01	
	CI	6,299,696		Kamikawa et al.	10/09/01	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
	CJ	JP	52-012063		Hiroshi Ikeda	04/04/1977		X
	CK	JP	S61-004232		Yukinobu Tanno et al.	01/10/1986		X
	CL	JP	62-117330		Sanyo Elec. Co., Ltd.	05/28/1987		
	CM	JP	63-110732		NEC Corp.	05/16/1988		
	CN	JP	64-042129		Hitachi Ltd.	02/14/1989		
	CO	EP	0 344 764		Wacker Chemitronic	12/06/1989		
	CP	JP	H01-262627		Nippon Denki, K.K.	10/19/1989		X
	CQ	JP	03-072626		Dainippon Screen Mfg. Co., Ltd.	03/27/1991		X
	CR	JP	H03-208900		Nippon Steel Corp.	09/12/1991		X
	CS	JP	H04-125927		Fujitsu, Ltd.	04/27/1992		X

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		NUMBER	Kind Code (if known)				
	CT	JP	H04-298038	Hitachi Cable, Ltd.	10/21/1992		X
	CU	JP	04-302144	Hitachi, Ltd.	10/26/1992		
	CV	JP	04-302145	Hitachi Ltd.	10/26/1992		
	CW	JP	04-370931	Hitachi Zosen Corp.	12/24/1992		X
	CX	JP	05-013398	Hitachi Zosen Corp.	01/22/1993		X
	CY	JP	05-109686	Nippon Steel Corp.	04/30/1993		
	CZ	EP	0 548 596 A2	Chlorine Eng. Corp. Ltd.	06/30/1993		X
	DA	JP	05-259139	Hitachi Ltd.	10/08/1993		
	DB	JP	05-283389	NEC Corp.	10/29/1993		X
	DC	JP	06-204130	Mitsubishi Electric Corp.	07/22/1994		X
	DD	JP	07-159980	Nikon Corp.	06/23/1995		
	DE	JP	08-008222	Sony Corporation	01/12/1996		
	DF	EP	0 702 399	Siemens AG	03/20/1996		
	DG	JP	08-160032	Toshiba Corp.	06/21/1996		
	DH	EP	0 782 177 A2	Texas Instruments Incorporated	07/02/1997		X
	DI	WO	99/52654	Bergman et al.	10/21/1999		X
	DJ	JP	52-100473	Yamanouchi Pharm.	08/23/1977		
	DK	JP	64-008630	Tokyo Electron Ltd.	01/12/1989		
	DL	JP	63-016127	Yamaha Motor Co. Ltd.	01/23/1988		
	DM	JP	03-041729	Tokyo Electron Ltd.	02/22/1991		
	DN	JP	01-192712	Nippon Mining Co. Ltd.	08/02/1989		

### OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

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[54008.8100.US01/LA033290.002]